



ELECTRICAL CHARACTERISTICS ($T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified)							
PARAMETER	TEST CONDITION	PART	SYMBOL	MIN.	TYP.	MAX.	UNIT
Forward voltage	$I_F = 100\text{ mA}$		V_F			1	V
	$I_F = 200\text{ mA}$		V_F			1.25	V
Repetitive peak reverse voltage	$V_R = 100\text{ V}$	BAV19WS-V	I_R			100	nA
	$V_R = 100\text{ V}, T_J = 100\text{ }^{\circ}\text{C}$	BAV20WS-V	I_R			15	μA
	$V_R = 150\text{ V}$	BAV21WS-V	I_R			100	nA
	$V_R = 150\text{ V}, T_J = 100\text{ }^{\circ}\text{C}$	BAV19WS-V	I_R			15	μA
	$V_R = 200\text{ V}$	BAV20WS-V	I_R			100	nA
	$V_R = 200\text{ V}, T_J = 100\text{ }^{\circ}\text{C}$	BAV21WS-V	I_R			15	μA
Dynamic forward resistance	$I_F = 10\text{ mA}$		r_f		5		Ω
Diode capacitance	$V_R = 0, f = 1\text{ MHz}$		C_D		1.5		pF
Reverse recovery time	$I_F = 30\text{ mA}, I_R = 30\text{ mA}, I_{IR} = 3\text{ mA}, R_L = 100\text{ }\Omega$		t_{rr}			50	ns

TYPICAL CHARACTERISTICS ($T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified)

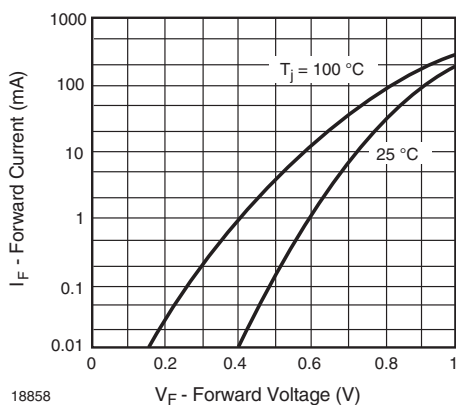


Fig. 1 - Forward Current vs. Forward Voltage

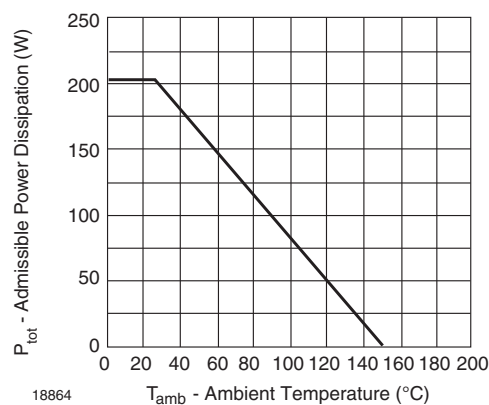


Fig. 3 - Admissible Power Dissipation vs. Ambient Temperature

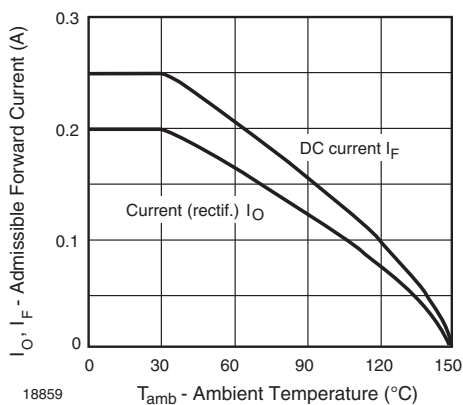


Fig. 2 - Admissible Forward Current vs. Ambient Temperature

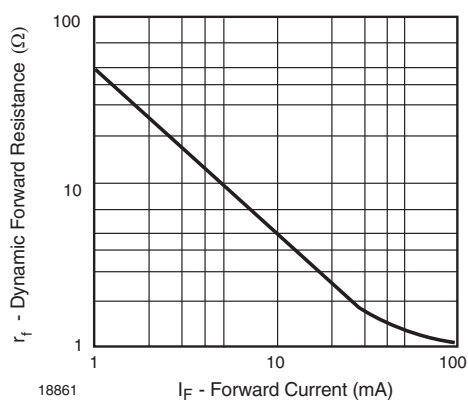


Fig. 4 - Dynamic Forward Resistance vs. Forward Current

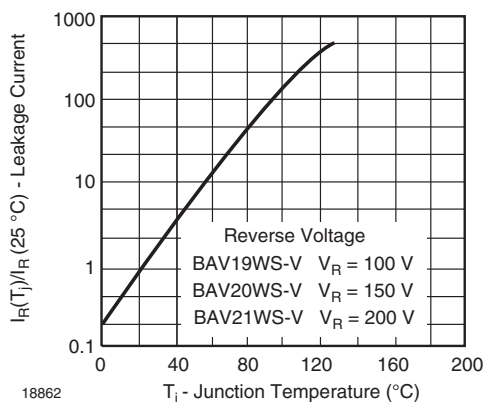


Fig. 5 - Leakage Current vs. Junction Temperature

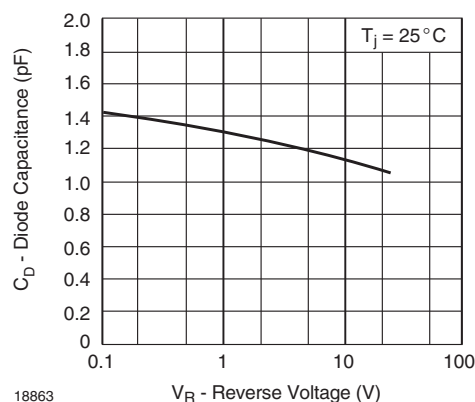
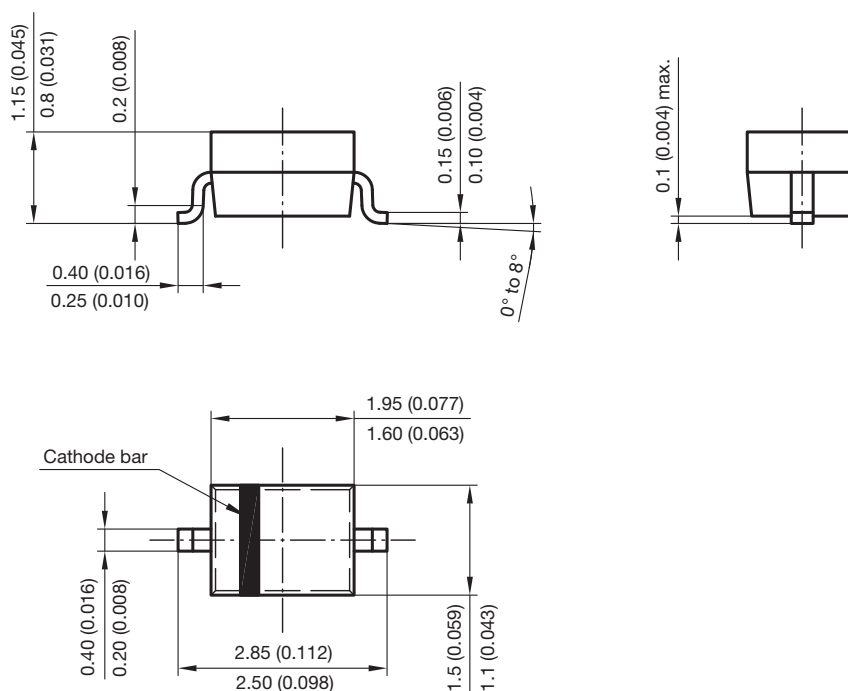
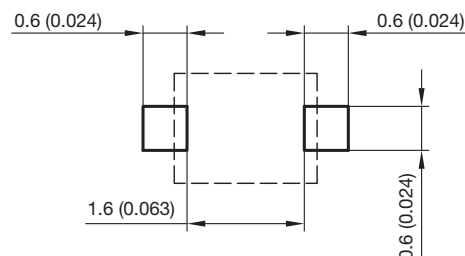


Fig. 6 - Capacitance vs. Reverse Voltage

PACKAGE DIMENSIONS in millimeters (inches): SOD-323



Foot print recommendation:



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Created - Date: 24.August.2004

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17443



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